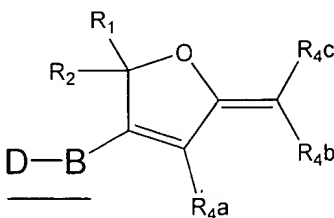


## AMENDMENTS TO THE CLAIMS

1-30. (Canceled)

31. (Currently Amended) A ~~compound, comprising a  $\pi$ -electron donor conjugated to a  $\pi$ -electron acceptor through a bridge, wherein the acceptor comprises a group~~ dihydrofuran-containing nonlinear optical chromophore having the structure:



wherein D is a  $\pi$ -electron donor group;

wherein B is a  $\pi$ -electron conjugated bridge group that provides electronic conjugation from the donor group to the dihydrofuran; and

wherein R<sub>1</sub> and R<sub>2</sub> are alkyl groups, R<sub>4a</sub>, R<sub>4b</sub>, and R<sub>4c</sub> are independently selected from F, CN, CF<sub>3</sub>, and CF<sub>3</sub>SO<sub>2</sub>, provided that R<sub>4a</sub>, R<sub>4b</sub>, and R<sub>4c</sub> are not all CN.

32. (Currently amended) The ~~compound~~ chromophore of Claim 31, wherein R<sub>4a</sub>, R<sub>4b</sub>, and R<sub>4c</sub> are independently selected from F, CF<sub>3</sub>, and CF<sub>3</sub>SO<sub>2</sub>.

33. (Currently amended) The ~~compound~~ chromophore of Claim 31, wherein R<sub>4a</sub> is CN, R<sub>4b</sub> is CN, and R<sub>4c</sub> is CF<sub>3</sub>SO<sub>2</sub>.

34. (Currently amended) The ~~compound~~ chromophore of Claim 31, wherein R<sub>4a</sub> is CF<sub>3</sub>SO<sub>2</sub>, R<sub>4b</sub> is CN, and R<sub>4c</sub> is CF<sub>3</sub>SO<sub>2</sub>.

35-64. (Canceled)

65. (Currently amended) The ~~compound~~ chromophore of Claim 31, wherein R<sub>4a</sub>, R<sub>4b</sub>, and R<sub>4c</sub> are independently selected from CN, CF<sub>3</sub>, and CF<sub>3</sub>SO<sub>2</sub>.

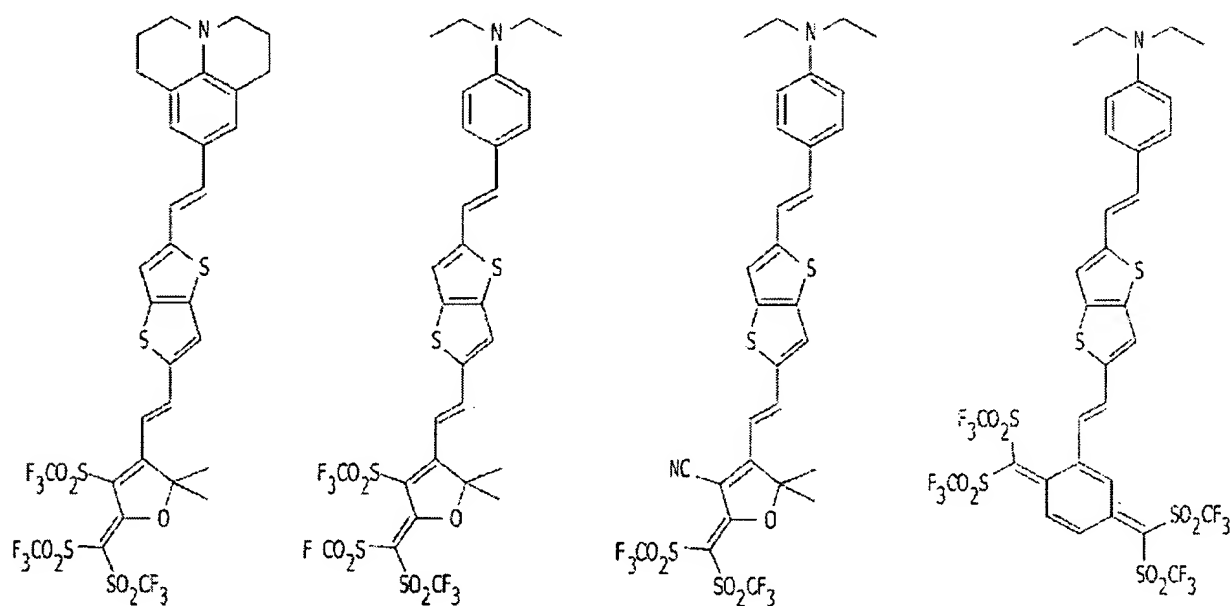
66. (Currently amended) The ~~compound~~ chromophore of Claim 31, wherein R<sub>4a</sub> is F, R<sub>4b</sub> is CN, and R<sub>4c</sub> is F.

67. (Currently amended) The ~~compound~~ chromophore of Claim 31, wherein R<sub>4a</sub> is CF<sub>3</sub>, R<sub>4b</sub> is CN, and R<sub>4c</sub> is CF<sub>3</sub>.

68. (Currently amended) The ~~compound~~ chromophore of Claim 31, wherein R<sub>4a</sub> is CF<sub>3</sub>SO<sub>2</sub>, R<sub>4b</sub> is CF<sub>3</sub>SO<sub>2</sub>, and R<sub>4c</sub> is CF<sub>3</sub>SO<sub>2</sub>.

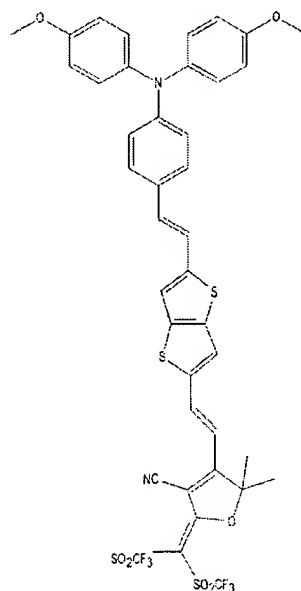
69. (Currently amended) The ~~compound~~ chromophore of Claim 31, wherein R<sub>4a</sub> is CN, R<sub>4b</sub> is CF<sub>3</sub>SO<sub>2</sub>, and R<sub>4c</sub> is CF<sub>3</sub>SO<sub>2</sub>.

70. (Currently amended) ~~The compounds shown in FIGURE 24~~ A compound selected from the group consisting of

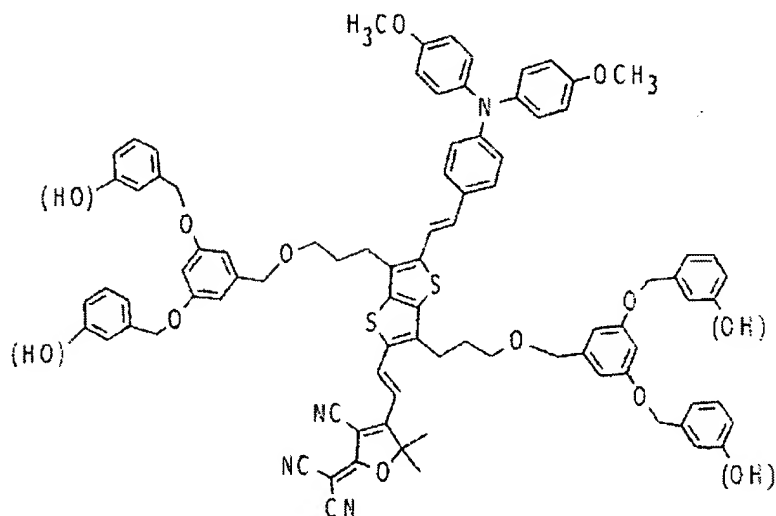


, and

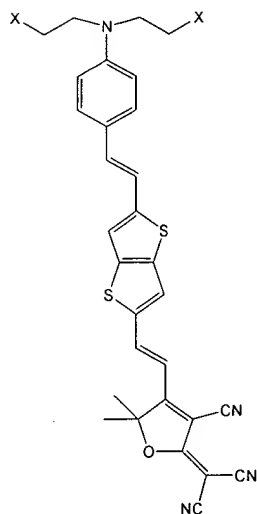
71. (Currently amended) ~~The compound shown in FIGURE 26~~ A compound having the structure



72. (Currently amended) ~~The compound shown in FIGURE 47~~ A compound having the structure



73. (Previously presented) A compound having the structure:



wherein X is hydrogen or t-butyldimethylsiloxy.

74-82. (Canceled)